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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/516,567-Conf. #5511
Filing Date	April 3, 2006
First Named Inventor	Peter Joseph UNSWORTH
Art Unit	2857
Examiner Name	Carol S.W. Tsai
Attorney Docket Number	BKB-004US

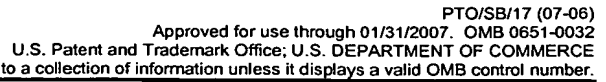
**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	LAHIVE & COCKFIELD, LLP		
Signature			
Printed name	David R. Burns		
Date	March 8, 2007	Reg. No.	46,590

Express Mail Label No. EV 957 643 259 US Dated: March 8, 2007



Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**Complete if Known**

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☐ Check    ☐ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account Number: **12-0080**    Deposit Account Name: **Lahive & Cockfield, LLP**

<input checked="" type="checkbox"/>	Charge fee(s) indicated below	<input type="checkbox"/>	Charge fee(s) indicated below, <b>except for the filing fee</b>
<input checked="" type="checkbox"/>	Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/>	Credit any overpayments

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### Fee Description

Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<u>Total Claims</u>		<u>Extra Claims</u>		<u>Fee (\$)</u>		<u>Fee Paid (\$)</u>
21	- 20 =	1	x	50.00	=	50.00

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>		<u>Extra Claims</u>		<u>Fee (\$)</u>		<u>Fee Paid (\$)</u>
6	- 3 =	3	x	200.00	=	600.00

HP = highest number of independent claims paid for, if greater than 3.


If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/50	(round up to a whole number) x	=	

**Non-English Specification, \$130 fee (no small entity discount)**

Other (e.g., late filing surcharge):

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	46,590	Telephone	(617) 227-7400
Name (Print/Type)	David R. Burns			Date	March 8, 2007

01 FC:1615	50.00	DA
02 FC:1614	600.00	DA

Express Mail Label No. EV 957 643 259 US      Dated: March 8, 2007

Express Mail Label No. EV 957 643 259 US Dated: March 8, 2007

Docket No.: BKB-004US  
(PATENT)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Patent Application of:  
Onsworth, et al.

Application No.: 10/516,567

Confirmation No.: 5511

Filed: April 3, 2006

Art Unit: 2857

For: Improvements in or Relating to the Monitoring of  
Two-Phase Fluid Flow

Examiner: Carol S.W. Tsai

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Non-Final Office Action mailed December 8, 2006 (Paper No. 20061207) the above-identified U.S. patent application, please consider the following reply.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.

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~~01-FC-1202 50.00 DA~~  
~~02-FC-1201 600.00 DA~~